ViewSonic®

VT1602-L/VT2216-L
LCD TV display
User Guide

IMPORTANT: Please read this User Guide to obtain important information on installing and using your product in a safe manner, as well as registering your product for future service. Warranty information contained in this User Guide will describe your limited coverage from ViewSonic Corporation, which is also found on our web site at http://www.viewsonic.com in English, or in specific languages using the Regional selection box in the upper right corner of our website. “Antes de operar su equipo lea cu idadosamente las instrucciones en este manual”

Model No. VS15770/VS15772

Contents

Compliance Information i
Declaration of RoHS2 Compliance ii
Copyright Information iii
Product Registration iii
Important Safety Instructions iv

Getting Started 1

Package Contents 1
Installing the LCD TV 2
Installing the Stand 2
Disconnecting the Stand 2
Mounting ViewSonic LCD TV to the wall 3
Wall Mount Kit Specifications (VESA) 4
Front View of the Product 5
Rear View of the Product 6
Connecting the LCD TV 7
Cable System or VHF/UHF Antenna System 7
Cable System and VHF/UHF Antenna System 7
HD Cable Box/HD Satellite Box 7
Personal Computer 10

Using the TV Features 11

Remote Control and TV Controls 11
Inserting Remote Control Batteries 11
Remote Control and TV Controls 11
Operation 14

Other Information 30

Troubleshooting 30
Specifications 32
Customer Support 33
Limited Warranty 34
Mexico Limited Warranty 35

Compliance Information

FCC Statement

This device complies with part 15 of FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Warning: You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

Following information is only for EU-member states:

The mark shown to the right is in compliance with the Waste Electrical and Electronic Equipment Directive 2002/96/EC (WEEE).

The mark indicates the requirement NOT to dispose the equipment as unsorted municipal waste, but use the return and collection systems according to local law.

If the batteries, accumulators and button cells included with this equipment, display the chemical symbol Hg, Cd, or Pb, then it means that the battery has a heavy metal content of more than 0.0005% Mercury or more than, 0.002% Cadmium, or more than 0.004% Lead.

ENERGY STAR Information:

• ENERGY STAR is a set of power-saving guidelines issued by the U.S. Environmental Protection Agency (EPA).
ENERGY STAR is a joint program of the U.S. Environmental Protection Agency and the U.S. Department of Energy helping us all save money and protect the environment through energy efficient products and practices.
The power consumption will be changed, if the TV set up to be another mode except for default as-shipped television configuration and settings.
The power consumption may exceed energy consumption beyond the limits required for ENERGY STAR qualification when the optional function used or the operation mode changed in use.

Dolby Trademark Information:

Manufactured under license from Dolby Laboratories. Dolby and the double-D symbol are trademarks of Dolby Laboratories.

Declaration of RoHS2 Compliance

This product has been designed and manufactured in compliance with Directive 2011/65/EU of the European Parliament and the Council on restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS2 Directive) and is deemed to comply with the maximum concentration values issued by the European Technical Adaptation Committee (TAC) as shown below:

Substance	Proposed Maximum Concentration	Actual Concentration
Lead (Pb)	0.1%	< 0.1%
Mercury (Hg)	0.1%	< 0.1%
Cadmium (Cd)	0.01%	< 0.01%
Hexavalent Chromium (Cr^{6+})	0.1%	< 0.1%
Polybrominated biphenyls (PBB)	0.1%	< 0.1%
Polybrominated diphenyl ethers (PBDE)	0.1%	< 0.1%

Certain components of products as stated above are exempted under the Annex III of the RoHS2 Directives as noted below:

Examples of exempted components are:

1. Mercury in cold cathode fluorescent lamps and external electrode fluorescent lamps (CCFL and EEFL) for special purposes not exceeding (per lamp):
   (1) Short length (≦500 mm): maximum 3.5 mg per lamp.
   (2) Medium length (＞500 mm and ≦1,500 mm): maximum 5 mg per lamp.
   (3) Long length (＞1,500 mm): maximum 13 mg per lamp.
2. Lead in glass of cathode ray tubes.
3. Lead in glass of fluorescent tubes not exceeding 0.2% by weight.
4. Lead as an alloying element in aluminium containing up to 0.4% lead by weight.
5. Copper alloy containing up to 4% lead by weight.
6. Lead in high melting temperature type solders (i.e. lead-based alloys containing 85% by weight or more lead).
7. Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound.

Copyright Information

Copyright © ViewSonic® Corporation, 2014. All rights reserved.

ViewSonic, the three birds logo, OnView, ViewMatch, and ViewMeter are registered trademarks of ViewSonic Corporation.

Disclaimer: ViewSonic Corporation shall not be liable for technical or editorial errors or omissions contained herein; nor for incidental or consequential damages resulting from furnishing this material, or the performance or use of this product.

In the interest of continuing product improvement, ViewSonic Corporation reserves the right to change product specifications without notice. Information in this document may change without notice.

No part of this document may be copied, reproduced, or transmitted by any means, for any purpose without prior written permission from ViewSonic Corporation.

Product Registration

To meet your future needs, and to receive any additional product information as it becomes available, please register your product on the Internet at: www.viewsonic.com.

For Your Records

Product Name:	VT1602-L/VT2216-L ViewSonic LCD TV
Model Number:	VS15770/VS15772
Document Number:	VT1602-L/VT2216-L_UG_ENG Rev. 1A 01-03-14
Serial Number:	_____
Purchase Date:	_____

Product disposal at end of product life

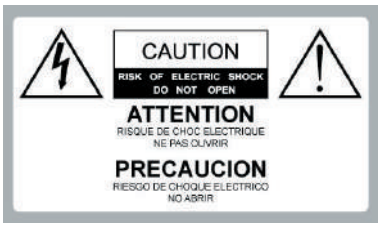
ViewSonic respects the environment and is committed to working and living green. Thank you for being part of Smarter, Greener Computing. Please visit ViewSonic website to learn more.

USA & Canada: http://www.viewsonic.com/company/green/recycle-program/

Europe: http://www.viewsoniceurope.com/uk/support/recycling-information/

Taiwan: http://recycle.epa.gov.tw/recycle/index2.aspx

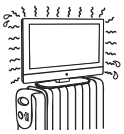
Important Safety Instructions



Dangerous Voltage: The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of dangerous voltage within the inside of the product that may be sufficient level to constitute a risk of electric shock to persons.

Instruction: The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and servicing instructions in the literature accompanying the appliance.

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.



9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.

12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

USE

AC power Cord

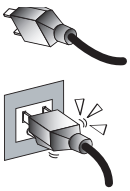
Keep the following guidelines to protect the AC power cord from being damaged. If the AC power cord is damaged, it may result in a fire or an electric shock. Stop using it and ask your dealer or ViewSonic service center to exchange it.

- Do not place the TV where the power cord is subject to wear or abuse.
- Do not pinch, bend, or twist the cord excessively.
- The core lines may be bared and cut, causing a short-circuit, and resulting in a fire or an electric shock.
- Do not convert or damage the power cord.

- Avoid power cord being rolled over or rested upon.
- When the power cord is plugged in, do not move the TV.
- Keep the power cord away from heat sources.
- When you disconnect the AC power cord, disconnect it from the wall outlet first.
- When disconnecting the power cord, grasp the plug instead of pulling the power cord.
- Use only an original ViewSonic AC power cord, not other brands.
- Do not use the supplied AC power cord on any other equipment.
- The main plug is used as the disconnect device, the disconnect devices shall remain readily operable.

Wall outlet

Insert the plug fully into the outlet. If it is loose, do not use it. Doing so may cause arcing and result in a fire. Contact your electrician to change the outlet.



Wiring

For your safety, be sure to unplug the AC power cord when connecting cables.

Take care not to trip on the cables. It may cause damage to the TV set.

Electric shock

Do not touch the AC power cord or the TV with a wet hand. If you plug/unplug the AC power cord from the TV with a wet hand, it may cause electric shock.

Lightning storms

During a lightning storm, unplug the TV from the wall outlet and disconnect the antenna to prevent damage to the TV.

When not in use

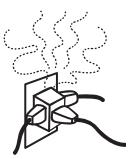
If you will not be using the TV set for long periods of time, the TV set should be disconnected from the AC power outlet to prevent power line surges. The TV set is not disconnected from the AC power source when the TV set is switched off.

To disconnect the TV set completely, unplug from the AC power outlet.

Overloading

This TV set is designed to operate on a 120V AC supply only.

If there are too many appliances connected to the same AC power outlet, it could result in a fire or an electric shock.



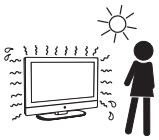
Optional equipment
If optional equipment is to be installed, leave some space between optional equipment and the TV set. Picture distortion and/or noisy sound may occur if the TV set is positioned in close proximity to any equipment emitting electromagnetic radiation.

Small accessories
Keep small accessories in a safe place where children are unable to reach.

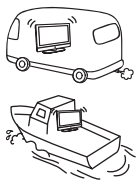
Magnetic influence
This TV contains a strong magnet in the speaker unit that generates a magnetic field. Keep any items susceptible to magnetic fields away from the speaker.

Sound
If you hear snapping or popping sound comes from the TV continuously or frequently while the TV is operating, unplug the TV and consult your dealer or service technician. It is normal for some TVs to make occasional snapping or popping sounds, particularly when being turned on or off.

Use in outdoor
This TV is not designed for outdoors installation. Do not expose the TV to rain, as it may result in a fire or an electric shock. Also, do not expose the TV to direct sunlight, as it may heat up and become damaged.



Vehicle, ships and other vessels
Do not install this TV in a vehicle.
Car accidents may cause the TV to fall down and cause injury.
Do not install this TV in a ship or vessel.
If the TV is exposed to seawater, it may cause a fire or damage the TV.



Medical institutions

Do not place this TV in a place where medical equipment is in use. It may cause the medical equipment to malfunction.

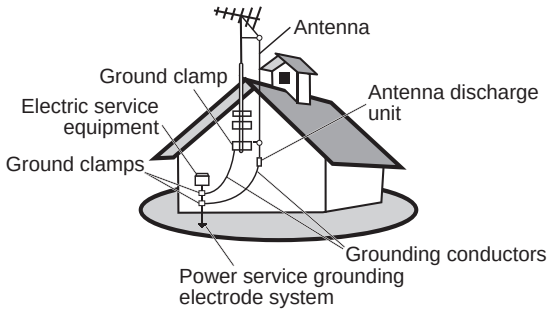
Volume adjustment
- Adjust the volume to avoid disturbing your neighbors. Sound carries easily at night. Therefore, we suggest you close the windows or use headphones.
- When using headphones, adjust the volume to appropriate levels, or hearing damage may result.

ANTENNAS

Outdoor antenna grounding
If an outdoor antenna is installed, follow the precautions below.
Do not install the outdoor antenna system near of overhead power lines or other electric light or power circuits, or where it can come in contact with such power lines or circuits.
WHEN INSTALLING AN OUTDOOR ANTENNA SYSTEM, EXTREME CARE SHOULD BE TAKEN TO KEEP FROM CONTACTING SUCH POWER LINES OR CIRCUITS AS CONTACT WITH THEM IS ALMOST INVARIABLY FATAL.
Be sure the antenna system is grounded so that it can provide some protection against voltage surges and built-up static charges.

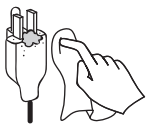
Section 810 of the National Electrical Code (NEC) in the U.S.A. and Section 54 of the Canadian Electrical Code in Canada provides information with in regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.

Antenna grounding according to the National Electrical Code, ANS/NFPAFPA 70



CLEANING

Cleaning the AC power plug
Unplug the AC power plug and clean it regularly. If the plug is covered with dust and gathers moisture, its insulation may deteriorate and result in a fire.



Cleaning the screen surface/ cabinet of the TV set
When cleaning this TV, unplug the AC power cord. If not, it may result in electric shock. Use a dry soft cloth to clean the cabinet of the TV. To remove dust near the screen, wipe it gently with a soft cloth. Stubborn stains may be removed with a cloth slightly dampened with a solution of mild soap and warm water. Never use strong solvents such as thinner or benzine for cleaning. If using a chemically pretreated cloth, please follow the instruction provided on the package. The ventilation holes can accumulate dust over time.

To ensure proper ventilation, we recommend you to remove the dust periodically (once a month) using a vacuum cleaner, while the LCD TV is powered off.

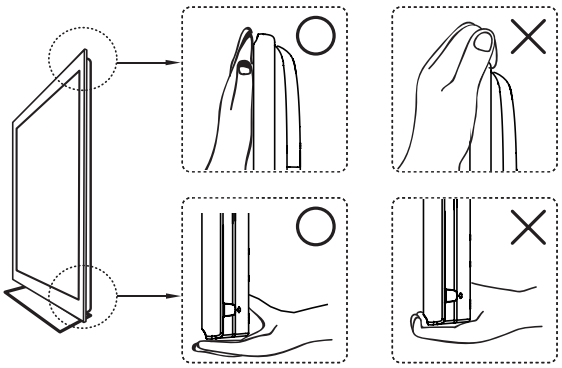
Disclaimer
Some chemical cleaners have been reported to damage the screen and/or case of the LCD TV. ViewSonic will not be liable for damage resulting from use of these cleaners.

CARRYING THE TV

Carry the TV as instructed

To prevent dropping the TV and causing serious injury, you must follow these guidelines:
- Disconnect all cables before carrying the TV.
- Carrying the large size TV requires at least two or three people.
- When you carry the TV, place your hands as illustrated and hold it securely. Do not put stress on the LCD panel and the frame around the screen.
- When carrying the TV, do not subject it to shocks, vibration, or excessive force.

• When lifting or moving the TV, hold it securely from the bottom. Place your palm directly under the panel.



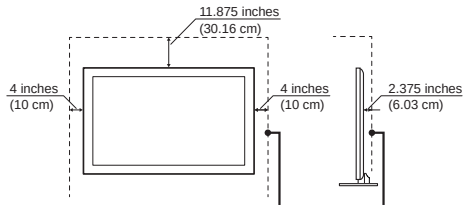
VENTILATION

Slots and openings in TV are provided for ventilation.
To ensure reliable operation of the TV and to protect it from overheating, be sure these openings are not blocked or covered.
The TV may accumulate dust and get dirty if proper ventilation is not provided. For proper ventilation, follow the following guidelines:

- Never install the TV face up, down or sideways.
- Never install the TV turned over or upside down.
- Never cover the slots and openings with a cloth or other materials.
- Never block the slots and openings by placing the TV on a bed, sofa, rug or other similar surface.
- Never place the TV in a confined space, such as a bookcase or built-in cabinet, unless proper ventilation is provided.

Leave some space around the TV set as shown below. Otherwise, air-circulation may be inadequate and cause overheating, which may cause a fire or damage to the TV set.

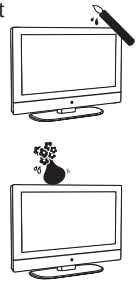
Installed with stand



Leave at least this space around the set.

MOISTURE

Moisture and flammable objects



- Keep the product away from moisture. Do not expose this appliance to rain or moisture. Do not place objects filled with liquids, such as vases, on the TV.
- Do not use power-line operated TV sets near water, such as in places like a bathtub, washbowl, kitchen sink, laundry tub, a wet basement, or near a swimming pool, etc. It may cause fire or electric shock.
- Do not let this TV get wet. Never spill liquid of any kind on the TV. If water penetrates into the product, unplug the power cord and contact ViewSonic.
- Do not operate the TV when wet. It may result in electric shock or damage to the TV.
- To prevent fire, keep flammable objects or open flame (e.g. candles) away from the TV.

INSTALLATION

Placement

The TV should be installed near an easily accessible AC power outlet.
Observe the following to prevent the TV from falling from the stand or wall mount.

- Place the TV on a stable, level surface.
- Do not hang anything on the TV. Do not allow children to climb on the TV. Do not install the TV in places subject to extreme temperature, such as in direct sunlight, near a radiator, or heating vent. If the TV is exposed to extreme temperature, the TV may overheat and cause deformation of the enclosure or cause malfunction.
- Do not install the TV in a place exposed to direct air conditioning.
- If the TV is installed in such a location, moisture may condense inside and may cause a malfunction.
- Do not place the TV in hot, oily, humid or excessively dusty places.
- Do not install the TV where insects may enter.
- Do not install the TV where it may be exposed to mechanical vibration.
- Do not install the TV in a location where it may spear up, such as on or behind a pillar, or where you might bump your head on it. It may cause injury.
- WARNING – To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
- The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquid, such as vases shall be placed on the apparatus.
- Class I apparatus that construction shall be connected to a mains socket outlet with a protective earthing connection.
- Batteries shall not be exposed to excessive heat such as sunshine, fire or the like.

Preventing the TV from toppling over

To prevent the TV from toppling over, secure the TV to a wall or stand.

Placement for watching

We suggest you to watch the TV at a distance of 3-7 times that of the screen height, and not in excessive brightness. It is easy to cause eye fatigue if you watch TV for too long or in a dark room. To obtain clear picture, do not expose the screen to direct illumination or sunlight. Use spot lighting directed down from the ceiling if you can.

LCD SCREEN

- Although the LCD screen is made with high precision technology and has effective pixels of 99.99% or more, black dots or bright points or light (red, blue, or green) may appear constantly on the LCD screen. This is a structural property of the LCD panel and is not a malfunction.
- The LCD screen is made with high-precision technology. To achieve a high level of performance and picture quality, this TV's backlight setting is set to maximize the brightness of the TV. However, uneven brightness may be observed when the LCD TV is viewed in a dark environment without an input source or a blank screen. This is a normal condition, not a malfunction of the TV. To improve this condition, change the Picture mode, Backlight setting, enable the Light Sensor, or turn on the Power management.
- Avoid exposing the LCD screen surface to direct sunlight. It is likely to damage the LCD panel.
- Do not push or scratch the LCD screen, or place objects on top of the TV. The image may be uneven or the LCD panel may be damaged.
- If the TV is used in a cold place, a smear may occur in the picture or the picture may become dark. It is not caused by a failure. This condition will improve as the temperature rises.
- When still pictures are displayed continuously, ghosting may occur. It should disappear after a short period of time.
- The screen and cabinet get warm when the TV is in use. This is a normal condition.
- Spraying insect repellent with volatile material on the screen will cause damage.
- Do not make prolonged contact with rubber or plastic material.

Broken pieces

Do not throw anything at the TV.
Doing so may break the screen glass and cause serious injury.
If the surface of the TV cracks, unplug the AC power cord before touching the TV. Otherwise electric shock may result.

Handling of broken glass and liquid crystal leakage

If the LCD panel gets damaged, crystalline liquid leakage may occur, or scattered broken glass may result. Do not touch broken glass or crystalline liquid which is toxic, with bare hands as cuts, poisoning or skin irritation may occur. Also do not glass fragments or leaked crystalline liquid get into your eyes or mouth. Should either contacted your eyes or mouth, rinse the contacted area thoroughly with water and consult your doctor.

SERVICING

Do not attempt to repair the TV yourself, since opening the cabinet may expose you to dangerous voltage or other hazards. Ask qualified service personnel to do the servicing for your TV.

Replacement parts

When replacement parts are required, be sure the service technician certifies in writing that he/she has used replacement parts specified by the manufacturer that have the same characteristics as the original parts. Unauthorized substitutions may cause a fire, an electric shock or other hazards.

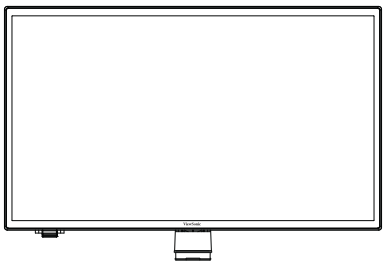
Safety check

Upon completion of repairs to the TV, ask the service technician to perform routine safety checks (as specified by the manufacturer) to determine that the TV is safe for operating, and to so certify.
Ask a qualified service technician to dispose of the TV.

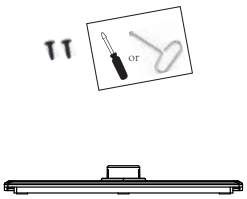
Getting Started

Package Contents

Please make sure the following items are included with your LCD TV.
If any items are missing, please contact your dealer.

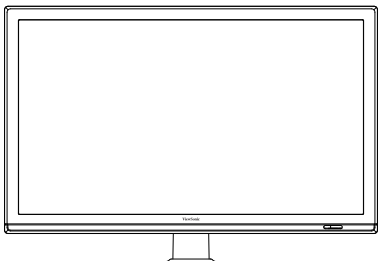


LCD TV
(VT2216-L)

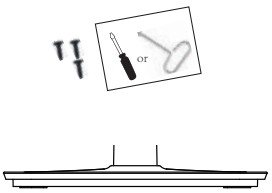


Stand /Screw x 2pcs /
screw driver

Remote Control with batteries



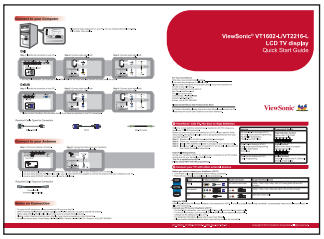
LCD TV
(VT1602-L)



Stand /Screw x 3pcs /
screw driver

Power Cord
(for US model)

ViewSonic CD
(User Guide)

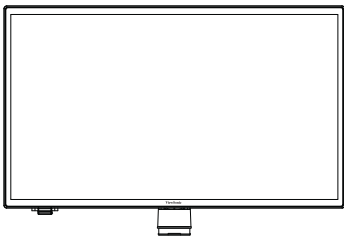
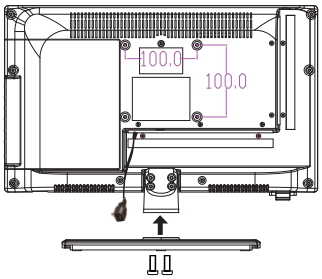
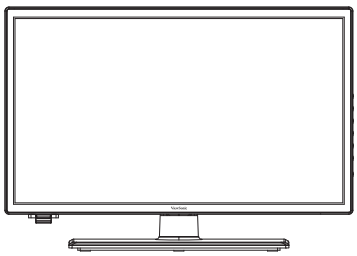
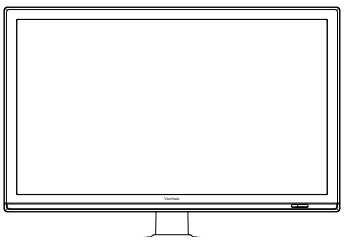
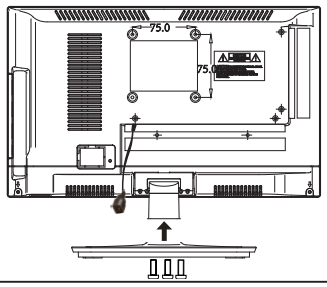
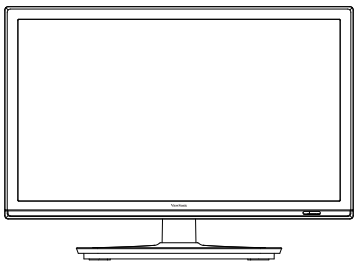


ViewSonic Quick Start Guide

The photos of the accessories are for reference only, the color of the remote control, the type of power cord are variable based on the actual models.

Installing the LCD TV

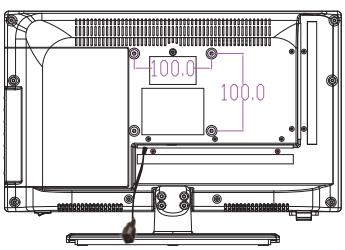
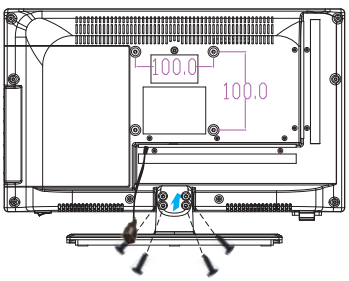
Installing the Stand

Figure 1	Figure 2	Figure 3
		
(VT2216-L)		
		
(VT1602-L)		

1. Carefully place the TV screen side down on a cushioned surface to protect the screen from damage. (see Figure 1)
2. Attach the foot stand and secure it with the included screws. Please fasten with a cross screw driver. (see Figure 2)
3. Stand the TV up. (see Figure 3)

Disconnecting the Stand

1. Carefully place the TV screen side down on a cushioned surface to protect the screen from damage. (see Figure 1)
2. Remove the screws and detach the stand from the TV. (see Figure 2)

Figure 1	Figure 2
	

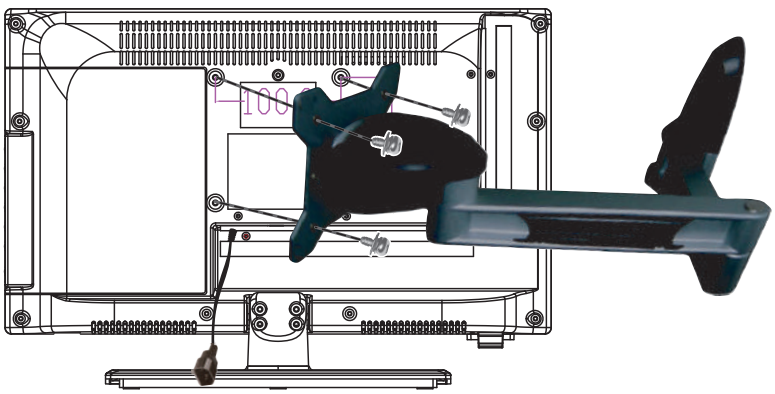
Mounting ViewSonic LCD TV to the wall

The LCD TV can be used in a free standing position or wall-mounted. Before installing the product to the wall, please consider the following guidelines:

- Read the Important Safety Instructions, at the start of this manual.
- Do not install in a moist or wet environment. This equipment is intended for indoor use.
- Do not install near heat source, or strong magnetic fields.
- Use only ViewSonic approved wall-mounting brackets to support the LCD TV weight.
- Before attaching the wall mount plate to the back cover, ensure the product is working.
- If your LCD TV is already set up for free-standing operation, you need to first remove the stand before mounting the device to the wall.

To attach the wall-mount bracket to LCD TV safely, please use the following guidelines:

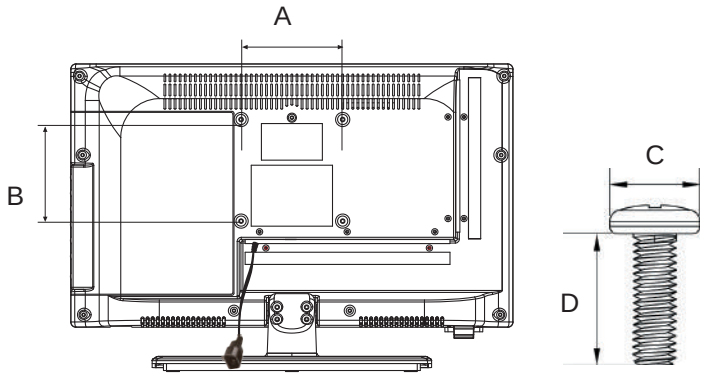
- Disconnect the power and any other cables that might hinder moving the LCD TV.
- Set the LCD TV on a table or work surface, placing the screen face down on a towel or woolen blanket to protect the screen surface from damage while installing plate.
- Before installing the LCD TV on the wall, ensure you have recorded the product serial number on page (i) of the User Guide, as you will need the serial number to request service should there be a service need.
- Install the wall mount plate to the LCD TV using screws NO LONGER than 12mm, as longer screws found in universal (non-ViewSonic) wall mount kits may damage the power supply causing the unit to fail. The wall-mount screw type is M4 x L12.



- Mount the wall mount bracket to the wall ensuring use of proper screws to support the installation. Ensure there is at least 3cm of space surrounding any air-vents of your LCD TV to allow adequate cooling during operation.
- Hang the LCD TV wall mount plate to the wall mount bracket, completing installation.
  Enjoy your ViewSonic LCD TV!

Wall Mount Kit Specifications (VESA)

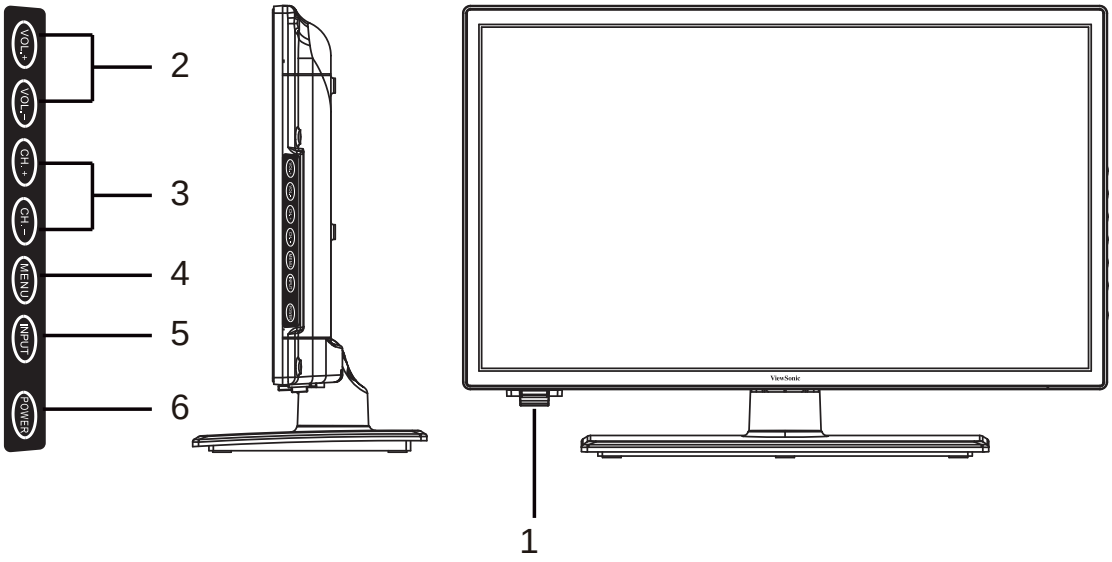
When attaching to other building materials, please contact your nearest dealer.



Product Family	inch	VESA Spec. (A x B)	Standard Screw (C x D)	Quantity
LCD TV	22	100 x 100 mm	M4 x L12	4
LCD TV	16	75 x 75 mm	M4 x L12	4

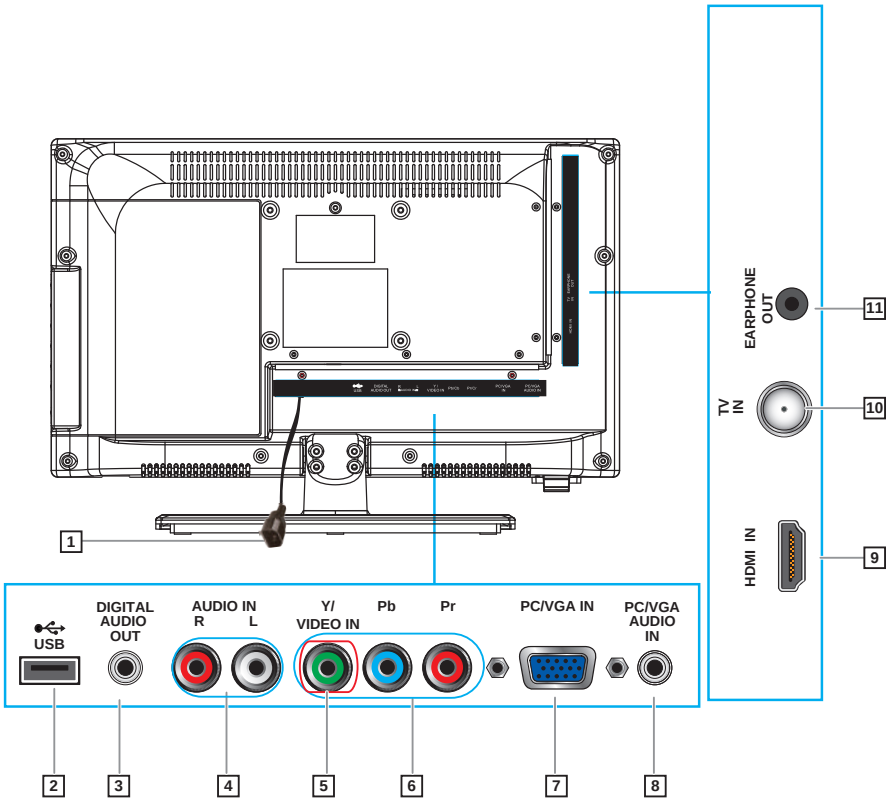
- ViewSonic provides the standard dimensions for wall mount kits as shown in the table above.
- To find the perfect mount, please browse www.viewsonic.com or call our service team: United States 1-800-688-6688, Canada 1-866-463-4775, Europe +44 (0) 207 382 8250.
- When purchasing our wall mount kit, a detailed install manual and all parts necessary for assembly are provided.
- Do not use the screws that longer than the standard dimension, as they may cause damage to the inside of the TV set.

Front View of the Product



Item		Icon	Description
1	**LED Indicator**		Blue indicates power on. Red indicates standby mode.
	Remote Control Receiver		Receive IR signals from the remote control.
2	**Volume**	**VOL -**	Decrease the volume. Move to the left or adjust the setting on the OSD menu.
		VOL +	Increase the volume. Move to the right or adjust the setting on the OSD menu.
3	**Channel Select**	**CH -**	Return to the previous channel.
		CH +	Advance to the next channel.
4	**Menu**	**MENU**	Turn the on-screen display (OSD) menu on / off.
5	**Input**	**INPUT**	Select the input source. Enter the submenu.
6	**Power**	⏻	Turn the power on from standby mode. Touch it again to return to standby mode.

Rear View of the Product



Item		Description
1	**Power (AC input)**	Connect to the AC input power source.
2	**USB**	Connect to USB devices, such as USB flash drive.
3	**Digital Audio out. jack**	Connects to the audio jack on the digital/standard 5.1 audio system
4	**Audio input (left/ right)**	Connect to the corresponding audio connectors on your A/V device
5	**Composite Video input**	Connect to the composite video output connectors on your A/V equipment
6	**YPbPr signal input**	Connect to the YPbPr output of A/V device
7	**VGA signal input**	Connect to a PC VGA port.
8	**PC/VGA Audio input**	Connect to a PC line / audio port.
9	**HDMI inputs**	Connect to the HDMI outputs of A/V devices.
10	**TV Input Jack**	Connect to an antenna or cable TV
11	**Earphone Jack**	Connect to earphones. By connecting the earphones, you can listen to the sound from the TV through the earphones. ❊ If you connect the earphones, the TV speakers will be muted.

Connecting the LCD TV

Cable System or VHF/UHF Antenna System

Enjoy the high-definition and standard-definition digital programming along with standard-definition analog programming.

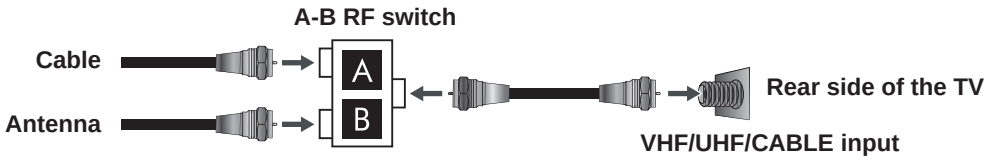
☼

- This TV is capable of receiving unscrambled digital programming for both cable and external VHF/UHF antenna.
- We strongly recommend that you connect the antenna/cable input using a 75-ohm coaxial cable (not supplied) to ensure the best picture quality.

Cable or VHF/UHF

Cable System and VHF/UHF Antenna System

Use an optional A-B RF switch (not supplied) to switch between the cable and antenna programming, as shown below.



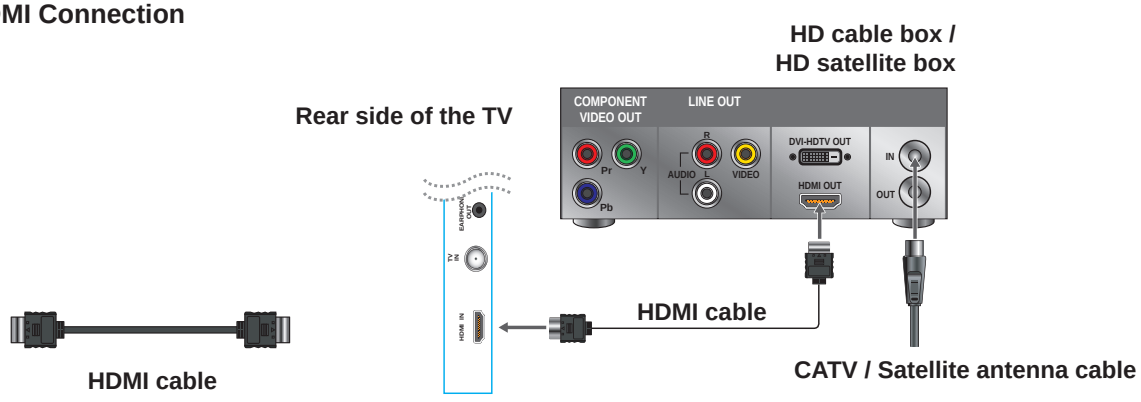
☼

- Remember to set the TV/CATV setting in the TV menu to Air or Cable for the type you choose.

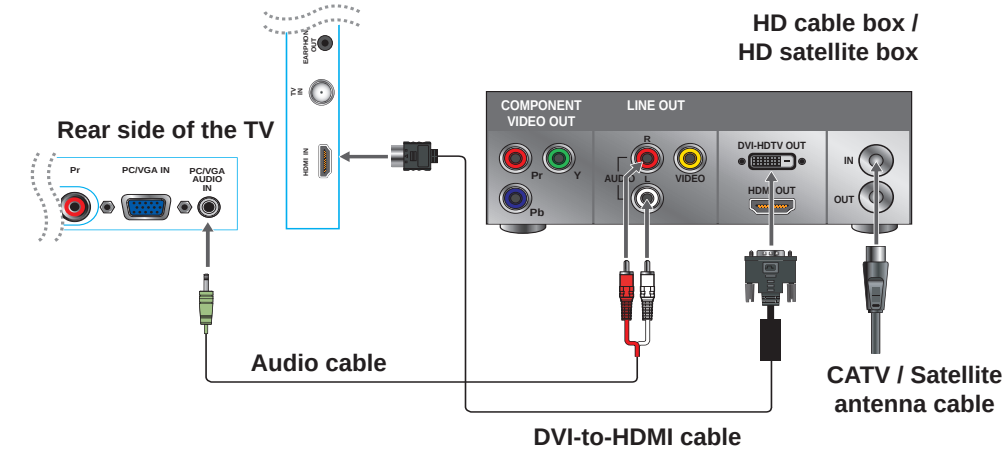
HD Cable Box/HD Satellite Box

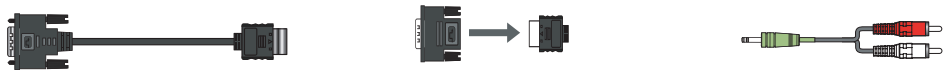
You can also enjoy high-definition programming by subscribing to a high-definition cable service or a high-definition satellite service. For the optimum picture quality, be sure to connect this device to your TV via the HDMI or component video (with audio) input on the rear side of your LCD TV.

HDMI Connection



DVI Connection





DVI-to-HDMI cable | DVI-to-HDMI adapter | Audio cable

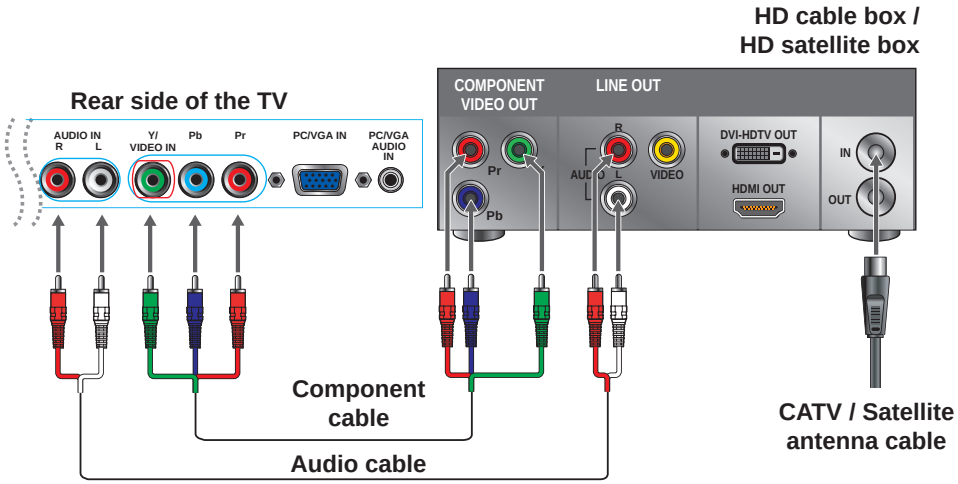
☼

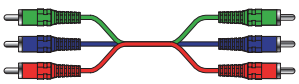
• For DVI connection, connect the HDMI jack (with DVI-to-HDMI cable or adapter), and connect the audio jack to the AUDIO IN jacks of PC Audio input.

HDMI Timing Reference Chart

No.	*Mode*	*HDMI*	*DVI*
1	VGA60 (640x480)	V	V
2	SVGA60 (800x600)	V	V
3	XGA60 (1024x768)	V	V
4	SXGA60 (1280x1024)	V	V
5	WXGA60 (1360x768)	NA	NA
6	1280 x 800	NA	NA
7	1440 x 900	NA	NA
8	1680 x 1050	NA	NA
9	1920 x 1080	V	V
10	480i60	V	V
11	576i50	V	V
12	480P60	V	V
13	576P50	V	V
14	720P50	V	V
15	720P60	V	V
16	1080I50	V	V
17	1080I60	V	V
18	1080P50	V	V
19	1080P60	V	V
20	1080P24	NA	NA
21	1080P30	NA	NA

YPbPr or Component Connection



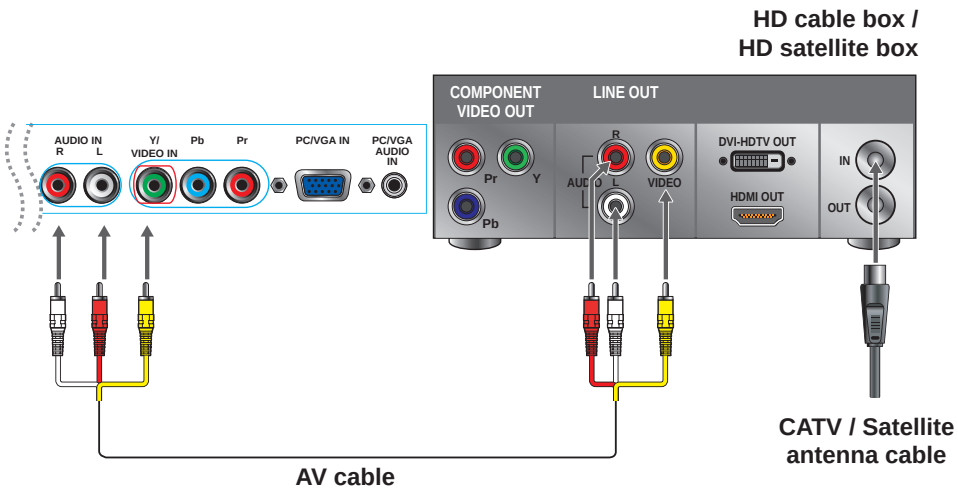

Component cable

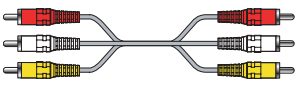
Audio cable

☼

• YPbPr provides better quality than the AV connection.

AV Connection




AV cable

Programming your Cable or Satellite Box remote

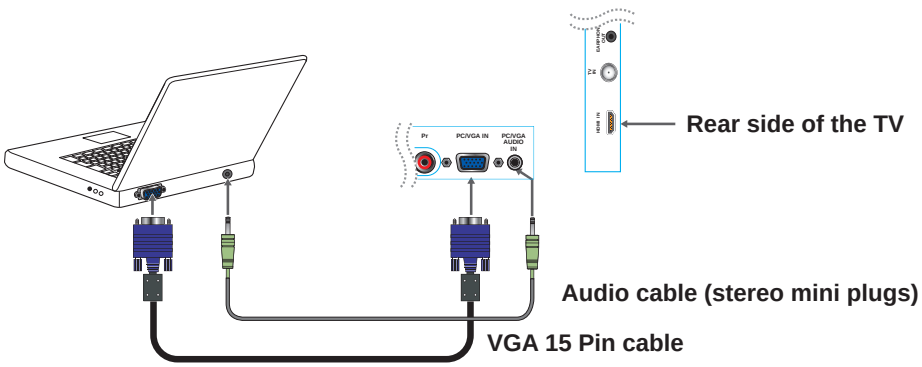
Refer to the user manual from your service provider to determine the setting.

If it requires:

- 3 digits, please try “566”, “565”, “556”, or “688”. It usually works with DISHNetwork.
- 4 digits, please try “0054”. It usually works with Cox.
- 5-digits, please try “11454”, “11054”, or “10690”. It usually works with DIRECTV.

Personal Computer

Use the LCD TV as the monitor of your computer.



☼

- Connect the PC IN jack to the PC using a 15-pin cable and audio cable.

PC Timing Reference Chart

No.	*VGA Timing*		*Panel FullHD (1920 x 1080) Support*				
	Mode	*Resolution*	*H sync (kHz)*	*V sync (Hz)*	*Pixel clock (MHz)*	*Polarity*	*Support*
1	IBM VGA	720 x 400	31.47	70.09	28.32	N/P	V
2	VESA DMT	640 x 480	31.5	59.94	25.175	N/N	V
3	VESA DMT	800 x 600	37.88	60.32	40	P/P	V
4	VESA DMT	1024 x 768	48.36	60	65	N/N	V
5	VESA DMT	1280 x 768	47.77	59.8	79.5	N/P	V
6	VESA DMT	1280 x 800	49.7	59.81	83.5	N/P	NA
7	VESA DMT	1280 x 1024	63.98	60.02	108	P/P	V
8	VESA DMT	1360 x 768	47.71	60.01	85.5	P/P	NA
9	VESA DMT	1440 x 900	55.94	59.89	106.5	N/P	NA
10	VESA DMT	1680 x 1050	65.29	59.95	146.25	N/P	NA
11	CEA	1920 x 1080	67.5	60	148.5	P/P	V

☼

- This TV PC VGA input does not support interlaced signals.

Remote Control and TV Controls

Inserting Remote Control Batteries

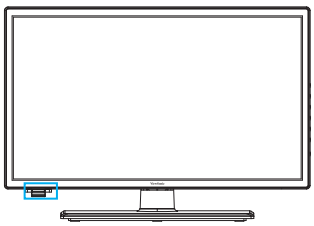
1. Remove the battery cover by pulling then lifting the knob on the cover.
2. Insert the batteries, corresponding to the (+) and (-) markings on the battery compartment.
3. Reattach the battery cover.

⚠ CAUTION

- Only use the specified AAA batteries.
- Do not mix new and old batteries. This may result in creaking or leakage, which may pose a risk of fire or lead to personal injury.
- Insert batteries according to (+) and (-) markings. Inserting the batteries incorrectly may result in leakage, which may pose a risk of fire or lead to personal injury.
- Dispose of the battery in accordance with local laws and regulations.
- Keep the batteries away from children or pets.
- When the remote control will not to be used for an extended period, remove the batteries.

Remote Control and TV Controls

Touch keys located at the front side of the TV operate the same as these buttons on the remote control.



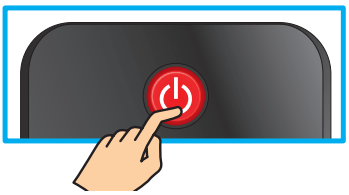
Button		Description
1	**POWER**	Press this button to turn the power on from standby mode. Press it again to return to standby mode.
2	**TV**	Changes source to TV Tuner.
3	**INFO**	Press to display the current state of the display.

Button		Description
4	**0~9, - number buttons**	Press the respective button to select a channel. After you input the channel numbers, press **ENTER** to direct to the channel immediately, or wait for 3 seconds to change automatically.
5	**- VOL +**	Press to adjust the volume.
6	**FAV**	Press this button to show Favorite List and select your favorite channels that have already been stored. ❊ To preset favorite channels, set the Favorite option in the Channel menu (see page 16).
7	**▲▼◄►/ ENTER buttons**	Press these buttons to navigate the OSD menus. • ▲/▼ - move upward/downward to select menu options. • ◄/► - move to the right/left to select the main menu or adjust the settings. You can also use ► to enter the corresponding submenu. • **ENTER**: Confirm the selection or enter the corresponding submenu.
8	**INPUT**	Press to display the Source Select list and select the source with ▲/▼. To confirm the selection, press **ENTER**.
9	**PICTURE**	Press this button repeatedly to select the preset picture mode. Available options: Standard, Movie, User, Power Saving, or Dynamic.
10	**SOUND**	Press this button repeatedly to select the preset sound mode. Available options: Standard, Soft, User or Dynamic.
11	**MTS**	Press this button to choose the available sound output that is preset by TV broadcasting station. Available options: Mono, Stereo, or SAP.
12	**MUTE**	Press to turn off the sound. To restore the sound, press this button again, or press the **VOL+/-** button.

Button		Description
13	**RETURN**	Press to return to the previous channel.
14	**C.C**	Press to select the Closed Caption menu in the TV or AV mode.
15	**▼ CH ▲**	Decrease or Increase the channel number
16	**GUIDE**	Press to display the Electronic Program Guide (EPG). It contains the program information for the channel you're watching.
17	**EXIT**	Press to exit the OSD menu screen.
18	**MENU**	Press to turn the OSD (On-Screen Display) menu on.
19	**ASPECT**	Press this button repeatedly to select the screen size. Available options: Normal, Wide, Cinema, or Zoom or Full 100%. ** For **Full 100%** option, it is only available on HDMI/DVI input source.*
20	**SLEEP**	Press repeatedly to set the sleep timer. The TV will automatically turn off after a preset period of time. Available options: OFF, 15 min., 30 min., 60 min., 90 min., or 120 min..

Operation

Turning the TV On and Off



Press ⏻ on the remote control.

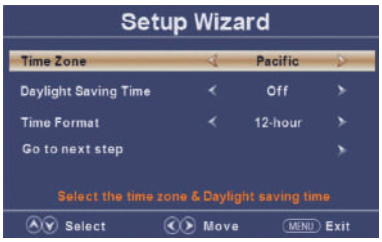
You can also use the ⏻ key on the front side of the panel.

❊ If there is no input signal within 10 minutes, TV will be turned off automatically.

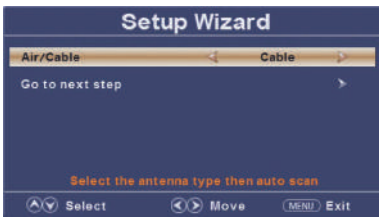
Initial Setup

If an antenna or cable (without a cable box) is connected to your TV's tuner, you will need to go through an INITIAL SETUP process in order to watch the TV. The setup wizard will automatically start when you first turn on the TV.

1. Press ◄ or ► button to select the **Menu Language** preference.
2. Press ▲ or ▼ button to select the options you want to adjust and Press ◄ or ► button to change its value.
3. Press ◄ or ► buttons to select your connection type between Air (antenna) or Cable and press **ENTER** to scan for channels.



4. The channel scan may take a while to complete, and after it is done, the screen will return to the first found channel.



Please Note:

❊ **The time setting on the TV will only keep accurate time if you do not unplug or turn off standby power from the TV.**

❊ Not all broadcasts are in High Definition (HD). Please refer to your local broadcasting stations for more information.

❊ The HDTV's tuner is designed for HDTV therefore requires a stronger signal than normal TVs. If you cannot achieve that signal level with your antenna or cable, your HDTV might lose picture or sound.

❊ **ViewSonic wants to help you save energy! This HDTV meets the ENERGY STAR® guidelines under the default picture setting called POWER SAVING. Changing this setting or enabling other options will increase power consumption which could possibly exceed the guidelines of ENERGY STAR®.**

Changing Channels

1. Using Channel Buttons

   Press ▼CH▲ to change channels, and the TV changes the available channels in sequence.

2. Using Number Buttons

   (1) ATV

   The "-" has no function in ATV mode. Directly press the number buttons to select channels.

   (2) DTV

   Use "-" to select the sub channel in DTV.

   For example: Your sub channel number is 80-3.

   Press 8 → press 0 → press "-" → press 3.

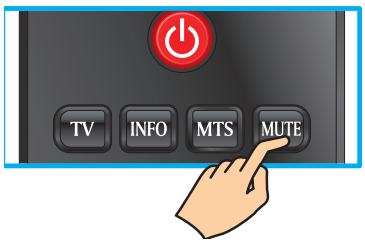
   ✳ Return to the previous channel, press **RETURN**.

Adjusting the Volume

Press **VOL +/-** to adjust volume.

To turn off the volume, press **MUTE**.

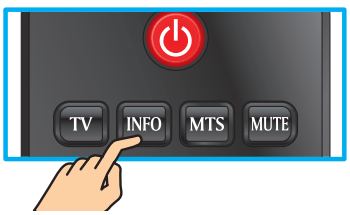
To restore volume, press **MUTE** again, or press **VOL +/-** directly.



Viewing the Displayed Information

To display the current information of the LCD TV:

Press **INFO**, and the current state will be displayed on the screen. (It shows all or some of the information about Input, Channel, Resolution, Audio Type, etc., depending on the input source)



Selecting the Input Source

To select the TV or other external input sources connected to the TV:

1. Press **INPUT** on the remote control.
2. Press ▲ or ▼ to select the desired input source.
3. To confirm the selection, press **ENTER**.

Favorite Channel Setting

To set your favorite channel into memory:

1. Press **MENU** to display the OSD main menu.
2. Press ◄ or ► to select **CHANNEL** menu, then press **ENTER** to enter the menu.
3. Press ▲ or ▼to select **Favorite**, then press ► to enter.
4. Press ▲ or ▼ to select the channel you want to add into your favorite channel.
5. Press ◄ or ► to highlight ***Favorite*** , and press **ENTER** to confirm your selection.
6. To cancel the selection, press **ENTER** again on the selected .
7. Press **EXIT** to exit the menu.

   ❊ To view your favorite channels, press **FAV** to display Favorite List and select your favorite channels that have already been stored.

Customizing Channel Label

To customize a name for the current channel:

1. Press **MENU** to display the OSD main menu.
2. Press ◄ or ► to select **CHANNEL** menu, then press **ENTER** to enter the menu.
3. Press ▲ or ▼to select **Channel Label**, then press ► to enter **Channel Label** submenu.
4. Press ◄ or ► to highlight ***Label*** check box, and press **ENTER** to start editing the label.
5. Press **ENTER** to confirm.
6. Press **EXIT** to exit the menu.

Using the Parent Controls

With PARENT CONTROL, you can block television and movie programming based on Movie and TV ratings.
Password is required to access the PARENTAL CONTROL menu. The default is “0000”.

To manage programs using the US Ratings system:

1. Press **MENU** to display the OSD main menu.
2. Press ◄ or ► to select **Lock** menu, then press **ENTER** to enter the menu.
3. Enter the password.
4. Press ▲ or ▼to select **System Lock**, then press ◄ or ► to select **On**.
5. Press ▲ or ▼ to select **US Rating**, then press ► to enter the US rating submenu.

Movie Rating

1. Press ▲ or ▼ to select **MPAA**, then press ► to enter its submenu.
2. Press ◄ or ► to select your desired MPAA ratings level.

   The MPAA ratings level are defined as following:

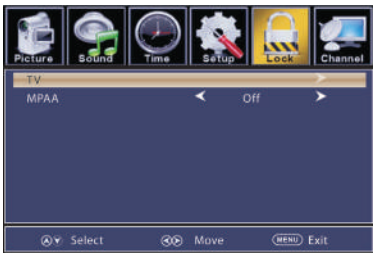
   • G (general audience)
   • PG (parental guidance suggested)
   • PG-13 (recommended for children 14 years of ageor older)
   • R (mature audience)
   • NC-17 (no one under 17 years of age)
   • X (adult audience only)
3. Press **ENTER** to lock / unlock your selection.
4. Press **EXIT** to exit the menu.

TV Rating

1. Press ▲ or ▼ to select **TV Rating**, then press ► to enter its submenu.
2. Press ▲ or ▼ to select your desired TV ratings level and press ◄ or ► to select the desired content check box.

   The TV ratings level and content are defined as following:

TV ratings level	TV ratings content
• TV-Y (all children) • TV-Y7 (older children) • TV-G (general audience) • TV-PG (guidance suggested) • TV-14 (strongly cautioned) • TV-MA (mature audience)	• D (suggestive dialog) • L (adult language) • S (sexual situations) • V (violence) • FV (fantasy violence)

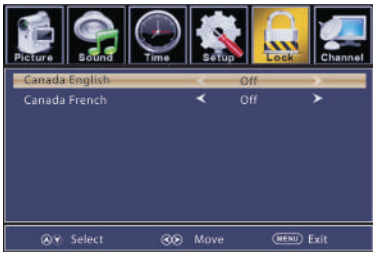


3. Press **ENTER** to lock / unlock your selection.
4. Press **EXIT** to exit the menu.

To manage programs using the Canada Ratings system:

1. Press **MENU** to display the OSD main menu.
2. Press ◄ or ► to select **Lock** menu, then press **ENTER** to enter the menu.
3. Enter the password.
4. Press ▲ or ▼to select **System Lock**, then press ◄ or ► to select **On**.
5. Press ▲ or ▼ to select **Canada Rating**, then press ► to enter the Canada English / Canada French.

Canada English



1. Press ▲ or ▼ to select **Canada English**, then press ► to enter.
2. Press ◄ or ► to select your desired Canadian English rating level.

   The Canadian English rating levels are defined as following:

   • C (children)
   • C8+ (children eight years and older)
   • G (general programming, suitable for all audiences)
   • PG (parental guidance)
   • 14+ (viewers and older)
   • 18+ (adult programming)
3. Press **ENTER** to lock / unlock your selection.
4. Press **EXIT** to exit the menu.

Canada French

1. Press ▲ or ▼ to select **Canada French** , then press ► to enter.
2. Press ◄ or ► to select your desired Canadian French rating level.

   The Canadian French rating levels are defined as following:

   • G (general)
   • 8 ans+ (children eight years and older)
   • 13 ans+ (not appropriate for children of less than 13 years)
   • 16 ans+ (not appropriate for children of less than 16 years)
   • 18 ans+ (reserved to adults)
3. Press **ENTER** to lock / unlock your selection.
4. Press **EXIT** to exit the menu.

Changing Password

To change a new password:

1. Press **MENU** to display the OSD main menu.
2. Press ◄ or ► to select **Lock** menu, then press ENTER to enter the menu.
3. Enter the password.
4. Press ▲ or ▼to select **Change Password**, then press ► to enter its submenu.
5. Enter the old password on **Old PIN**.
6. Enter your new password on **New PIN**.
7. Enter your new password again on **Confirm**.

   The screen will return to the **Lock** menu. This indicates the password has been changed.
8. Press **EXIT** to exit the menu.

Blocking Selected Input Source

To block the selected input source:

1. Press **MENU** to display the OSD main menu.
2. Press ◄ or ► to select **Lock** menu, then press **ENTER** to enter the menu.
3. Enter the password. (Default password is 0000)
4. Press ▲ or ▼ to select **Input Block**, then press **ENTER** to enter its submenu.
5. Press ▲ or ▼ to select the input source that you want to block.
6. Press **ENTER** to confirm.

   Press ◄ or ► to select (Unblock/Block).
7. Press **EXIT** to exit the menu.

Customizing PC Display

Connect the PC and your TV using the VGA cable. See “Personal Computer” on page 10.

1. Press **INPUT** to display the **Source Select** menu.
2. Press ▲ or ▼ to select **PC**, then press **ENTER** to confirm the setting.
3. Press **MENU** to display the OSD main menu.
4. Press ◄ or ► to select **Setup** menu, then press **ENTER** to enter the menu.
5. Press ▲ or ▼ to select **PC Settings**, then press **ENTER** to enter its submenu.
6. Press ▲ or ▼ to select **H-Pos**, **V-Pos**, **Clock**,**Phase or Auto**, and press ◄ or ► to adjust the setting.
7. Press **EXIT** to exit the menu.

Using USB Function

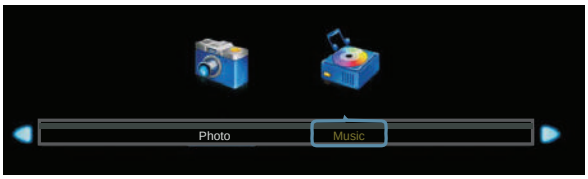
Your TV is equipped with a USB connector that enables you to view photos or listen to music stored on a USB storage device.

❊ USB only supports JPEG and MP3 files.

Multimedia support format

Multimedia Categories	File Extension	Decoder	Notes
Music	*.mp3	MPEG1 Audio LAYERIII (Not corresponding MP3 Pro)	Sampling Frequency [KHz] : 32 / 44.1 / 48 Bit Rate [kbit/s]: 32 / 40 / 48 / 56 / 64 / 80 / 96 / 112 / 128 / 160 / 192 / 224 / 256 / 320 / VBR
Photo	*.jpg	Baseline	Horizontal Max: less than 5000 Vertical Max: less than 5000 Horizontal Min: greater than 8 Vertical Min: greater than 8

1. Plug a USB device to the USB connector on the rear side of the TV.
2. Press **INPUT** to display the **Source Select** menu.
3. Press ▲ or ▼ to select **Media**, then press **ENTER** to confirm the setting. The USB menu appears on the screen.



4. Press ◄ or ► to select the menu item, then press **ENTER**.
5. Press **EXIT** to return to the previous screen.

Playing Music

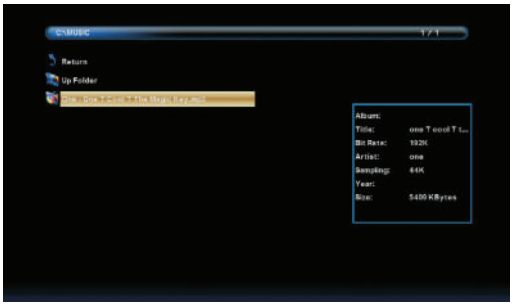
1. Press ◄ or ► to select **Music**, then press **ENTER**.

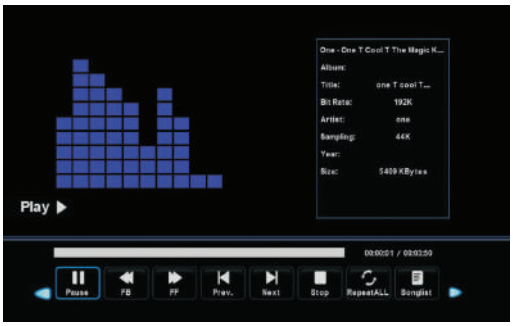
   If there are several folders, press ▲ or ▼ to select the desired folder, then press **ENTER** to view the subfolder content.

2. Press ▲ or ▼ to select a song, then press **ENTER** to play. An automatic playback begins from the selected song.

3. During the playback, do the following:

   - To pause the playback, press ◄ or ► to select Pause icon, then press **ENTER**. Press ◄ or ► to select Play ▶ icon, then press **ENTER** to resume.
   - To fast reverse the playback , press ◄ or ► to select FB icon, then press **ENTER**.
   - To fast forward the playback, press ◄ or ► to select FF icon, then press **ENTER**.
   - To skip to previous song, press ◄ or ► to select Prev. icon, then press **ENTER**.
   - To skip to next song, press ◄ or ► to select Next icon, then press **ENTER**.
   - To stop the playback, press ◄ or ► to select Stop icon, then press **ENTER**.
   - To repeatall the playback, press ◄ or ► to select RepeatALL icon, then press **ENTER**.
   - To songlist the playback, press ◄ or ► to select Songlist icon, then press **ENTER**.





Viewing Photos

1. Press ◄ or ► to select **Photo**, then press **ENTER**.

   If there are several folders, press ▲ or ▼ to select the desired folder, then press **ENTER** to view the subfolder content.

2. Press ▲ or ▼ to select a photo, then press **ENTER** to view the photo in full screen.

   • Press **EXIT** to stop the slide show.

Menu item	Description
Slideshow Interval	Set the interval time between each slide displays (3 S / 5 S / 10 S / 30 S / 1 Min / 30 Min).
Slideshow Effect	Select the transition effect between each slide displays (Random / Off / Wipe Right / Wipe Left / Wipe Up / Wipe Down / Comb Side / Comb UpDown / Checker / Mosaic / Fade / Blind Right / Blind Left / Blind Up / Blind Down / Box In / Box Out / Slide in Right / Slide in Left / Slide in Up / Slide in Down).
Slideshow Repeat	Enable/Disable the slide show repeatition (Off / On).
Slide Mode	Set the slide mode option (Order / Random).
Background Music	Enables/Disable background music during the slide show (On / Off).
Music Play Mode	Set music play mode option (Order / Random / Play One).
Music Play Repeat	Enable/Disable the music playback repeatition (Off / On).
Music Auto Play	Enable/Disable the automatic music playback (Off / On).

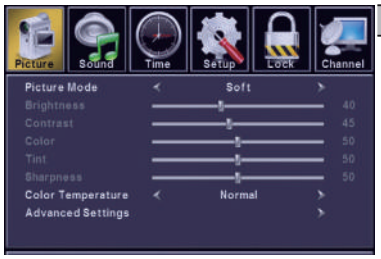
Adjusting On-Screen Display (OSD) Settings

1. Press **MENU** to display the OSD main menu.

2. Press ◄ or ► to select the main menu, then press **ENTER** to enter the selected menu.
3. Press ▲ or ▼ to select the menu item, then press ◄ or ► to adjust or select the setting.

   When selecting a menu item with a submenu (► ►), press ► or **ENTER** to enter its submenu. ("► ►" will only appear when the menu item is highlighted)
4. Press **MENU** to return to the previous menu or press **EXIT** to exit the menu.

Picture Menu



Menu item	Description
Picture Mode	Apply a preset picture mode optimized for different viewing conditions (Power Saving / Standard / Vivid / Soft / User). ✳ If **Picture Mode** is set to **User**, you can adjust the following settings: • **Brightness**: Adjust the brightness setting. • **Contrast**: Adjust the difference between the light and dark levels in the picture. • **Color**: Adjust the color detail of images. • **Tint**: Adjust the picture hue. • **Sharpness**: Adjust peaking in detail of the picture.
Color Temperature	Apply a preset color temperature setting (Normal / Warm / Cool).
Advanced Picture Settings	Set additional picture settings: • **Aspect Ratio**: Adjust how the picture fills the screen.(Normal / Wide / Zoom / Cinema) • **Noise Reduction**: Reduce the noise level. • **Dynamic Contrast**: Automatically adjust picture detail and brightness. Press ◄ / ► button to select(Off / On). • **HDMI Mode**: Only available in HDMI input. Press ◄ / ► button to select(Video / Graphic).

Sound Menu

Menu item	Description
Sound Settings	Apply a preset audio option optimized for different sounding conditions (Standard / Music / Movie / Sports / User). ✲ If **Sound Mode** is set to **User**, you can adjust the following settings: • **Bass**: Adjust the bass level to your preference. • **Treble**: Adjust the treble level to your preference. • **Balance**: Adjust the sound balance between the left and right speakers.
MTS	Configures the multi-track sound. It is only available in ATV. Press ◄ / ► button to select (Mono/Stereo/SAP).
Audio Language	Select the language supported by the chosen digital channel. It is only available in DTV. Press ◄ / ► button to select(English / French / Spanish).
Digital Audio Output	Select the type of digital audio output to an external audio system (Off / PCM / Raw).
Surround Sound	Enables or disables surround sound effect.
AVL	Set the auto volume control. Press ◄ / ► button to select(On/Off)

Time Menu

Menu item	Description
Sleep Timer	Allows selection of sleep timer: Off / 5min/10min /15min/ 30min / 60min / 90min / 120min/180min/240min
Time Zone	Allows selection of regional TV systems : Eastern / Central / Mountain / Pacific / Alaska / Hawaii /Samoa/ Newfoundland / Atlantic.
Daylight Saving Time	When Auto Clock set to ON, this item is availabel to enable daynight aving option or not. ✲ Only adjustable under DTV channel.
Time Format	Select your time format. Press◄ / ►button to select(12-hour / 24-hour).
Auto Clock	Use to synchronize the display automatically. ✲ It is only available in DTV. Press ◄ / ► button to select(On / Off)
Clock	Press the OK button to enter the Clock menu. Get date and time from the code stream of DTV, user can't modify it manually, set null under non DTV channel.

Setup Menu

Menu item	Description
Menu Language	Select to display all on-screen menus in your language of choice: English / French / Spanish
Transparent	Adjust the transparency of the OSD (on screen display) menu.Press◄ / ►button to select. (0%,25%,50%,75%,100%.)
OSD Timeout	Adjust the duration of the OSD (on screen display) menu. Press ◄ / ► button to select.(5 Sec.,15Sec.,30 Sec.,45Sec.,60Sec.)
Closed Caption	Adjust Closed Captioning settings. ❊ Only available under TV and AV source • **CC Mode:** Adjust the bass level to your preference. Press ◄ / ► button to select(CC Off / CC On / CC OnMute). • **Analog CC:** Set Closed Captioning for standard(analog) program.Press ◄ / ► button to select(CC1 / CC2 / CC3 / CC4 / TEXT1 / TEXT2 / TEXT3 / TEXT4). • **Digital CC:**Set Closed Captioning for digital program. Press ◄ / ► button to select(Off / Service1 / Service2 / Service3 / Service4 / Service5 / Service6). • **Option:** Adjust the digital Closed Captioning setting.Press ► button to enter.**Mode**: • **Mode:**Set the look of digital Closed Captioning. Automatic uses broadcaster's style. • **Font Style:**Select from 8 font styles. Press ◄ / ► button to select(Default / Font 0 / Font 1 / Font 2 / Font 3 / Font 4 / Font 5 / Font 6 / Font 7). • **Font Size:**Adjust the size of the digital Closed Captioning font. Press◄ / ► button to select(Default /Normal / Large / Small). • **Font Edge Style:** Adjust the edge of the digital Closed Captioning box. Press ◄ / ► button to select(Default / None / Raised / Depressed / Uniform / Left Shadow / Right Shadow). • **Font Edge Color:** Adjust the color of the digital Closed Captioning box. Press ◄ / ► button to select(Default/ Black / White / Red / Green / Blue / Yellow / Magenta / Cyan).

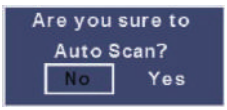
Setup Menu

Menu item	Description
Closed Caption	• **FG Color:** Adjust the color of the digital Closed Captioning font. Press ◄ / ► button to select(Default/ Black / White / Red / Green / Blue / Yellow / Magenta / Cyan). • **BG Color:** Adjust the color of the digital Closed Captioning font. • **FG Opacity:**Adjust the transparency of the digital Closed Captioning font. Press ◄ / ► button to select(Default / Solid / Flashing / Translucent). • **BG Opacity:** Adjust the digital Closed Captioning background transparency. Press ◄ / ► button to select(Default / Solid / Flashing / Translucent).
Over Scan	Press ◄ / ► button to select(On / Off). It is only available to enter 1080i/720p/1080p in DTV/Component/HDMI.Default is On. It fixed set to be On in ATV/AV. It fixed set to be Off in PC/USB.
Input Labels	Create labels for the devices connected to your TV.
Other Settings	Set the parameter of audio only, no signal power off and no operation power off. • **Blue Screen:** To select the transition type required while changing from one channel to another. • **Audio Only:** Play the audio with the picture turned off. When you turn the Audio Only on and exit the OSD menu, the panel will be dark; and then press any key to exit the Audio Only status.
Restore Default	Change power on options or reset TV to factory default.
Setup Wizard	Set the first time installation.

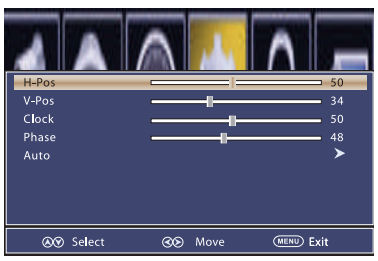
Lock Menu

Menu item	Description
Enter Password	Enter your 4-digital password. Default password is 0000,and if forget what you set, please call the service center.
Change Password	Allows to set the password. Use the function, must enter a four-digit password. The factory password is 0000.
Other Settings	Set the parameter of audio only, no signal power off and no operation power off. • **Blue Screen:** To select the transition type required while changing from one channel to another. • **Audio Only:** Play the audio with the picture turned off. When you turn the Audio Only on and exit the OSD menu, the panel will be dark; and then press any key to exit the Audio Only status.
System Lock	Lock or unlock the buttons on the TV.
Input Block	Block or unblock the input sources.
US Rating	Restrict movie and TV programs by US Ratings. Only available when “System Lock” is “on”. Press ► button to enter.
Canada Rating	Restrict movie and TV programs by Canadian Ratings. Only available when “System Lock” is “on”. Press ► button to enter.
RRT Setting	Display an advance V-Chip rating table for digital channels. The item is available only When current stream has downloadable rating data.
Reset RRT	Reset the RRT to default. The item is available only When current stream has downloadable rating data.

Channel Menu (Only available on TV source)

Menu item	Description
Air/Cable	Allows selection between CATV cable and antenna signal sources: AIR/Cable
Auto Scan	Automatically search for channels. Press ENTER / ► button to enter. 
Favorite	Add channels to create a favorite list. Press ►button to enter.
Channel List	Display your program list. Press ►button to enter.
Show/Hide	Show or hide your program list. Press ►button to enter.
Channel Number	Show the channel number
Channel label	Create labels for channels ,up to 7 characters.

PC Menu (Only available on PC source)



Menu item	Description
PC Settings	1. Press **MENU** to display the OSD main menu. 2. Press ◄ or ► to select **Setup** menu, then press **ENTER** to enter the menu. 3. Press ▲ or ▼ to select PC Settings, then press ENTER to enter its submenu. • **H-Pos:** Allows you to adjust the Horizontal Position of the picture. • **V-Pos:** Allows you to adjust the Vertical Position of the picture. • **Clock:**Controls the width of the picture based on the VGA mode • **Phase:**Allows you to improve focus clarity and image stability.Auto Adjust. • **Auto:** Allows to auto synchronize VGA signal.

Other Information

Troubleshooting

Please contact ViewSonic service team directly if you have questions, service needs, or require technical assistance related on the use of your television.

Contact ViewSonic Service Team at:
http://www.ViewSonic.com
Or call our service team:
United States 1-800-688-6688
Canada 1-866-463-4775
Europe +44 (0) 207 382 8250

Problem	*Possible Solution*
No power	• Make sure the AC power cord is properly connected to the wall outlet. • Plug another electrical device (like a radio) to the power outlet to verify that the outlet is supplying the proper voltage.
No picture	• The TV station may be experiencing problems. Try another channel. • The Cable TV signal may be scrambled or encoded. Please contact your local cable operator. • Make sure that the cable connection to other components are properly installed. • Make sure that setup has been done correctly after connections. • Make sure the correct input is selected and the input signal is compatible.
Strange color, light color, or color misalignment	• Ensure that the video cable is securely connected. • The picture may appear dim in a brightly lit room. • Adjust the display settings. • Check the input signal setting.
No sound	• Check your audio connections to other components are properly installed. • The **MUTE** button may have been pressed, try pressing this button again. • Check your audio settings, your TV audio may be set to minimum. • Press **VOL +** on the remote control.

Problem	*Possible Solution*
Remote control unit does not operate	• Make sure the batteries are inserted correctly. • Batteries could be weak or dead. Replace with new batteries. • Check if there is a fluorescent light illuminated near the remote control sensor. • The path of the remote control beam may be blocked. Make sure the path is clear and that the remote control is aimed at the remote control sensor on the TV. • Press ⏻ on the remote control to see if you can turn on the TV. • Press **MENU** on the remote control to see if there is an OSD menu shown on the screen. • Press only one button at a time and it is the correct one for the operation you want to perform.
Unit cannot be operated	• External influences such as lightning or static electricity may cause improper operation. In this case, operate the unit after first turning on the power of the TV and the AVC System, or unplug the AC cord for 1 to 2 minutes, then replug again.
Power is cut off suddenly	• Make sure the sleep timer is turned off. • Make sure the PC or video signal cable is connected properly. • The internal temperature of the unit has increased. Remove any objects blocking the vent or clean as necessary.
No CATV reception (or no reception above CH13)	• Set the correct **Signal Type** (Air / Cable) on the **Channel** menu. • CATV is connected improperly or not connected; please check all the CATV connections. • The cable TV service is interrupted; please contact your cable operator. • Adjust the location of the antenna, place it far from roads or sources of interference.
Picture is cut off/with sidebar screen	• Make sure the video signal cable is connected properly. • Adjust the **Screen Size** setting on the **Picture** menu. • Press **ASPECT** repeatedly on the remote control to switch to the display mode you prefer.

Specifications

Model		VT2216-L	VT1602-L
LCD (LED Backlight)	Screen Size	21.5” Full HD 60Hz	15.6” HD 60Hz
	Aspect Ratio	16:9	16:9
Television System		ATSC / 64 & 256 QAM / NTSC-M	ATSC / 64 & 256 QAM / NTSC-M
Program Coverage		VHF : 02~13 UHF : 14~69 DTV : 02-69 CATV : 01~125 CADTV : 01~135	
Input signal	RGB	RGB analog (0.7/1.0 Vp-p, 75 ohms) Separate Sync, fh: 31.5-67.5 kHz, fv:59.94-60 Hz	
	RF	TV system Antenna / NTSC+ATSC, TV cable system / CATV+Digital cable	
	Video	1 composite RCA, 1 YPbPr component, 1 HDMI	
	Audio	1 mini-stereo, 2 pair of RCA (L/R) stereo	
	USB	JPEG / MP3 Format	
Compatibility	PC	Up to 1920 x 1080 (CEA mode)	Up to 1366 x 768 (CEA mode)
Speaker Output		3W x 2 @ THD=10% (max)	3W x 2 @ THD=10% (max)
Audio Output		1 Earphone jack, 1 Digital Audio out (Coaxial)	1 Earphone jack, 1 Digital Audio out (Coaxial)
Power	Voltage	AC 100~240V (50/60Hz)	AC 100~240V (50/60Hz)
Operating conditions	Temperature	0°C to + 40°C	0°C to + 40°C
	Humidity	20% to 90% (no condensation)	20% to 90% (no condensation)
Storage condition	Temperature	-20°C to + 60°C	-20°C to + 60°C
	Humidity	20% to 90% (no condensation)	20% to 90% (no condensation)
Dimensions	Physical (W) x (L) x (H)	500 x 341 x 160 mm (19.68 x 13.43 x 6.3 inches) (plastic stand)	373.3 x 271.3 x 139.3 mm (14.7 x 10.7 x 5.5 inches) (plastic stand)
Weight	With stand	3.10 kg (6.83 lbs)	1.31 kg (2.9 lbs)
	Without stand	2.84 kg (6.26 lbs)	1.12 kg (2.5 lbs)
Regulations		UL/cUL, FCC, BETS-7,NRCan, CEC	
Power consumption	On	20 W	10 W
	Stand by	0.5 W	0.5 W
Warning: Do not set the graphics card in your computer to exceed these refresh rates; doing so may result in permanent damage to the LCD TV.			

Note: Product Specifications are subject to change without notice.

Customer Support

For technical support or product service, see the table below or contact your reseller.

Note: You will need the product serial number.

Use with other Wall-Mount kit may cause instability and possibly result in injury.

To find the perfect mount for VT2756-L/VT2406-L, please browse www.viewsonic.com or call our service team: United States 1-800-688-6688, Canada 1-866-463-4775,
Europe +44 (0) 207 382 8250.

Country/Region	Website	T = Telephone F = FAX	Email
United States	www.viewsonic.com	T (Toll-Free)= 1-800-688-6688 T (Toll)= 1-424-233-2530 F= 1-909-468-3757	service.us@viewsonic.com
Canada	www.viewsonic.com	T (Toll-Free)= 1-866-463-4775 T (Toll)= 1-424-233-2533 F= 1-909-468-3757	service.ca@viewsonic.com
Europe	www.viewsoniceurope.com	www.viewsoniceurope.com/uk/support/call-desk/	
Latin America (Argentina)	www.viewsonic.com/la/	T= 0800-4441185	soporte@viewsonic.com
Latin America (Chile)	www.viewsonic.com/la/	T= 1230-020-7975	soporte@viewsonic.com
Latin America (Columbia)	www.viewsonic.com/la/	T= 01800-9-157235	soporte@viewsonic.com
Latin America (Mexico)	www.viewsonic.com/la/	T= 001-8882328722	soporte@viewsonic.com
Renta y Datos, 29 SUR 721, COL. LA PAZ, 72160 PUEBLA, PUE. Tel: 01.222.891.55.77 CON 10 LINEAS Electroser, Av Reforma No. 403Gx39 y 41, 97000 Mérida, Yucatán. Tel: 01.999.925.19.16 Other places please refer to http://www.viewsonic.com/la/soporte/index.htm#Mexico			
Latin America (Peru)	www.viewsonic.com/la/	T= 0800-54565	soporte@viewsonic.com

Limited Warranty

VIEWSONIC LCD TV

What the warranty covers:
ViewSonic warrants its products to be free from defects in material and workmanship, under normal use, during the warranty period. If a product proves to be defective in material or workmanship during the warranty period, ViewSonic will, at its sole option, repair or replace the product with a like product. Replacement product or parts may include remanufactured or refurbished parts or components.

How long the warranty is effective:
ViewSonic LCD TVs are warranted for 3 years for all parts excluding the light source and 3 years for labor from the date of the first customer purchase.

Who the warranty protects:
This warranty is valid only for the first consumer purchaser.

What the warranty does not cover:
1. Any product on which the serial number has been defaced, modified or removed.
2. Damage, deterioration or malfunction resulting from:
- **a.** Accident, misuse, neglect, fire, water, lightning, or other acts of nature, unauthorized product modification, or failure to follow instructions supplied with the product.
- **b.** Repair or attempted repair by anyone not authorized by ViewSonic.
- **c.** Any damage of the product due to shipment.
- **d.** Removal or installation of the product.
- **e.** Causes external to the product, such as electric power fluctuations or failure.
- **f.** Use of supplies or parts not meeting ViewSonic's specifications.
- **g.** Normal wear and tear.
- **h.** Any other cause which does not relate to a product defect.

3. Any product exhibiting a condition commonly known as "image burn-in" which results when a static image is displayed on the product for an extended period of time.
4. Removal, installation, and set-up service charges.
5. When you mount it on the wall, the following must be noticed:
- a. The accessories attached with this product are applicable for this product only.
- b. When the product is mounted on the wall, holes and fixed screws will remain in the wall body.
- c. Wall face may discolor when this product has been mounted on the wall for a long time.

How to get service:
1. For information about receiving service under warranty, contact ViewSonic Customer Support (please refer to Customer Support page). You will need to provide your product's serial number.
2. To obtain warranted service, you will be required to provide (a) the original dated sales slip, (b) your name, (c) your address, (d) a description of the problem, and (e) the serial number of the product.
3. Take or ship the product freight prepaid in the original container to an authorized ViewSonic service center or ViewSonic.
4. For additional information or the name of the nearest ViewSonic service center, contact ViewSonic.

Limitation of implied warranties:
There are no warranties, express or implied, which extend beyond the description contained herein including the implied warranty of merchantability and fitness for a particular purpose.

Exclusion of damages:
ViewSonic's liability is limited to the cost of repair or replacement of the product. ViewSonic shall not be liable for:
1. Damage to other property caused by any defects in the product, damages based upon inconvenience, loss of use of the product, loss of time, loss of profits, loss of business opportunity, loss of goodwill, interference with business relationships, or other commercial loss, even if advised of the possibility of such damages.
2. Any other damages, whether incidental, consequential or otherwise.
3. Any claim against the customer by any other party.

Effect of state law:
This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow limitations on implied warranties and/or do not allow the exclusion of incidental or consequential damages, so the above limitations and exclusions may not apply to you.

Sales outside the U.S.A. and Canada:
For warranty information and service on ViewSonic products sold outside of the U.S.A. and Canada, contact ViewSonic or your local ViewSonic dealer.
The warranty period for this product in mainland China (Hong Kong, Macao and Taiwan Excluded) is subject to the terms and conditions of the Maintenance Guarantee Card.
For users in Europe and Russia, full details of warranty providedcan be found in www.viewsoniceurope.com under Support/ Warranty Information.

4.3: ViewSonic LCD TV Warranty LTV_LW01 Rev. 1C 06-25-07

Mexico Limited Warranty

VIEWSONIC LCD TV

What the warranty covers:

ViewSonic warrants its products to be free from defects in material and workmanship, under normal use, during the warranty period. If a product proves to be defective in material or workmanship during the warranty period, ViewSonic will, at its sole option, repair or replace the product with a like product. Replacement product or parts may include remanufactured or refurbished parts or components.

How long the warranty is effective:

ViewSonic LCD TVs are warranted for 3 years for all parts excluding the light source and 3 years for labor from the date of the first customer purchase.

Who the warranty protects:

This warranty is valid only for the first consumer purchaser.

What the warranty does not cover:

1. Any product on which the serial number has been defaced, modified or removed.

2. Damage, deterioration or malfunction resulting from:

- **a.** Accident, misuse, neglect, fire, water, lightning, or other acts of nature, unauthorized product modification, or failure to follow instructions supplied with the product.
- **b.** Any damage of the product due to shipment.
- **c.** Causes external to the product, such as electric power fluctuations or failure.
- **d.** Use of supplies or parts not meeting ViewSonic's specifications.
- **e.** Normal wear and tear.
- **f.** Any other cause which does not relate to a product defect.

3. Any product exhibiting a condition commonly known as "image burn-in" which results when a static image is displayed on the product for an extended period of time.

4. Removal, installation, insurance, and set-up service charges.

How to get service:

For information about receiving service under warranty, contact ViewSonic Customer Support (Please refer to the attached Customer Support page). You will need to provide your product's serial number, so please record the product information in the space provided below on your purchase for your future use. Please retain your receipt of proof of purchase to support your warranty claim.

For Your Records

Product Name: _____
Document Number: _____
Purchase Date: _____

Model Number: _____
Serial Number: _____
Extended Warranty Purchase? _____(Y/N)
If so, what date does warranty expire? _____

1. To obtain warranty service, you will be required to provide (a) the original dated sales slip, (b) your name, (c) your address, (d) a description of the problem, and (e) the serial number of the product.

2. Take or ship the product in the original container packaging to an authorized ViewSonic service center

3. Round trip transportation costs for in-warranty products will be paid by ViewSonic.

Limitation of implied warranties:

There are no warranties, express or implied, which extend beyond the description contained herein including the implied warranty of merchantability and fitness for a particular purpose.

Exclusion of damages:

ViewSonic's liability is limited to the cost of repair or replacement of the product. ViewSonic shall not be liable for:

1. Damage to other property caused by any defects in the product, damages based upon inconvenience, loss of use of the product, loss of time, loss of profits, loss of business opportunity, loss of goodwill, interference with business relationships, or other commercial loss, even if advised of the possibility of such damages.

2. Any other damages, whether incidental, consequential or otherwise.

3. Any claim against the customer by any other party.

4. Repair or attempted repair by anyone not authorized by ViewSonic.

Contact Information for Sales & Authorized Service (Centro Autorizado de Servicio) within Mexico:	
Name, address, of manufacturer and importers: México, Av. de la Palma #8 Piso 2 Despacho 203, Corporativo Interpalmas, Col. San Fernando Huixquilucan, Estado de México Tel: (55) 3605-1099 http://www.viewsonic.com/la/soporte/index.htm	
NÚMERO GRATIS DE ASISTENCIA TÉCNICA PARA TODO MÉXICO: 001.866.823.2004	
Hermosillo: Distribuciones y Servicios Computacionales SA de CV. Calle Juarez 284 local 2 Col. Bugambilias C.P: 83140 Tel: 01-66-22-14-9005 E-Mail: disc2@hmo.megared.net.mx	***Villahermosa:*** Compumantenimietnos Garantizados, S.A. de C.V. AV. GREGORIO MENDEZ #1504 COL, FLORIDA C.P. 86040 Tel: 01 (993) 3 52 00 47 / 3522074 / 3 52 20 09 E-Mail: compumantenimientos@prodigy.net.mx
Puebla, Pue. (Matriz): RENTA Y DATOS, S.A. DE C.V. Domicilio: 29 SUR 721 COL. LA PAZ 72160 PUEBLA, PUE. Tel: 01(52).222.891.55.77 CON 10 LINEAS E-Mail: datos@puebla.megared.net.mx	***Veracruz, Ver.:*** CONEXION Y DESARROLLO, S.A DE C.V. Av. Americas # 419 ENTRE PINZÓN Y ALVARADO Fracc. Reforma C.P. 91919 Tel: 01-22-91-00-31-67 E-Mail: gacosta@qplus.com.mx
Chihuahua Soluciones Globales en Computación C. Magisterio # 3321 Col. Magisterial Chihuahua, Chih. Tel: 4136954 E-Mail: Cefeo@soluglobales.com	***Cuernavaca*** Compusupport de Cuernavaca SA de CV Francisco Leyva # 178 Col. Miguel Hidalgo C.P. 62040, Cuernavaca Morelos Tel: 01 777 3180579 / 01 777 3124014 E-Mail: aquevedo@compusupportcva.com
Distrito Federal: QPLUS, S.A. de C.V. Av. Coyoacán 931 Col. Del Valle 03100, México, D.F. Tel: 01(52)55-50-00-27-35 E-Mail : gacosta@qplus.com.mx	***Guadalajara, Jal.:*** SERVICRECE, S.A. de C.V. Av. Niños Héroes # 2281 Col. Arcos Sur, Sector Juárez 44170, Guadalajara, Jalisco Tel: 01(52)33-36-15-15-43 E-Mail: mmiranda@servicrece.com
Guerrero Acapulco GS Computación (Grupo Sesicomp) Progreso #6-A, Colo Centro 39300 Acapulco, Guerrero Tel: 744-48-32627	***Monterrey:*** Global Product Services Mar Caribe # 1987, Esquina con Golfo Pérsico Fracc. Bernardo Reyes, CP 64280 Monterrey N.L. México Tel: 8129-5103 E-Mail: aydeem@gps1.com.mx
MERIDA: ELECTROSER Av Reforma No. 403Gx39 y 41 Mérida, Yucatán, México CP97000 Tel: (52) 999-925-1916 E-Mail: rrrb@sureste.com	***Oaxaca, Oax.:*** CENTRO DE DISTRIBUCION Y SERVICIO, S.A. de C.V. Murguía # 708 P.A., Col. Centro, 68000, Oaxaca Tel: 01(52)95-15-15-22-22 Fax: 01(52)95-15-13-67-00 E-Mail. gpotai2001@hotmail.com
Tijuana: STD Av Ferrocarril Sonora #3780 L-C Col 20 de Noviembre Tijuana, Mexico	***FOR USA SUPPORT:*** ViewSonic Corporation 381 Brea Canyon Road, Walnut, CA. 91789 USA Tel: 800-688-6688 (English); 866-323-8056 (Spanish); Fax: 1-800-685-7276 E-Mail: http://www.viewsonic.com

4.3: ViewSonic Mexico Limited Warranty LTV_LW02 Rev. 1A 06-25-07

ViewSonic®